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# County of Roanoke

## Summary of Projects Submitted for FY2005-2009 CIP

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| Department/Project              | Brief Description of Project   |
|---------------------------------|--|
| <b>Community Development</b>    |  |
| VDOT Revenue Sharing            | The Virginia Department of Transportation annually provides localities the opportunity to receive state matching funds for the construction, maintenance, and improvement to primary and secondary roads in the state's highway system.  |
| GIS Phase II - Integration      | <p>This project provides ongoing conversion of Roanoke County's Geographic Information System (GIS) into a digital format and allows the most efficient access to this information.</p> <p>Phase II of the Geographic Information System provides computer hardware and software functionality to other departments at Roanoke County using our GIS. This includes integration of a mapping component with our E-911 Dispatch Center, School/Trash/E-911 vehicle routing, integration of all water, sanitary sewer and storm sewer systems into this digital model and the replacement of our Microfilm Management System with an Digital Image Management System.</p> |
| Roanoke River Greenway - East   | This project is engineering and construction for the eastern section of the Roanoke River Greenway from the Waste Water Treatment Plant to Explore Park. A master plan for this section was completed and funded by the Greenway Commission in 2002-03. Final engineering needs to be completed in FY 05 and FY 06 and will provide bid documents for grant applications, right-of-way acquisition, and greenway construction in subsequent years.   |
| GIS - New Color Scanner/Printer | Acquisition of a new high speed color scanner/printer to allow efficient scanning and printing capacity for our Geographic Information System and related digital orthophotos (aerial photography).  |
| GIS - New Server                | Acquisition of a new server to allow efficient storage of information in our Geographic Information System and related digital orthophotos (aerial photography).   |
| Regional SW Mgt/Flood Control   | Stormwater management will consist of the construction of projects identified in the Roanoke Valley Regional Stormwater Management Plan and the continuation of flood mitigation projects already underway in Roanoke County. Examples of projects are regional detention ponds, channel improvements, floodproofing, and purchase of flood prone properties.  |

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| Roanoke River Greenway - Green Hill Park | This project is construction of the bridge connecting the one-mile section of the Roanoke River Greenway to be built in Green Hill Park with Salem's section of the greenway. The funding in FY 05 is twenty percent of the engineering costs; the funding in FY 06 is twenty percent of the cost of construction of the bridge. This money will be matched through TEA-21 grants and funds raised by the Greenway Commission.  |
| Mudlick Creek Greenway                   | This project is an extension of the Garst Mill Greenway along Mudlick Creek downstream toward the City and upstream to the new high school. In 1999 a right-of-way was donated for the greenway across the Sult property downstream from Garst Mill Park. In 1998 a right-of-way was dedicated for the greenway from Rt. 419 to McVitty Road as a proffer for the McVitty Forest development. VDOT is currently working on plans for reconstruction of McVitty Road near the middle of the greenway. In September 2003 the Board of Supervisors agreed to VDOT's designing McVitty Road to include paved shoulders for bicyclists and discussed including the greenway in the stream corridor. Plans for the new high school include the greenway as a condition of the special use permit, and sections of it were built as connections to the ballfields. Neighbors have requested a greenway/connection from Canter Rd. to the school recreation facilities. CIP funding in FY 05 will be used for engineering, and FY 06 for land acquisition. Funding in subsequent years will build the connection between Garst Mill Park and the high school. Completion of the engineering quickly will allow coordination of construction with VDOT's work on McVitty Road and thus construction cost savings in that area. |
| Tinker Creek Greenway                    | This project is engineering and construction of Tinker Creek Greenway from the Roanoke City line to Carvins Cove. Development of engineering in 2005 will provide information needed for right-of-way acquisition, grant applications, and greenway construction.   |
| Wolf Creek Greenway                      | This project is a 0.6-mile extension of the Wolf Creek Greenway from Stonebridge Park to the Blue Ridge Parkway. The Greenway Commission has received a \$46,950 grant from the Department of Conservation, but this grant requires a 20% match. The requested \$5,000 is for engineering work and equipment rental; the remaining \$11,000 of projected costs will come from force account labor and volunteers.   |

### Economic Development

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| Center for Research & Technology | <p>The Center for Research &amp; Technology (CRT) is in the sixth year of ownership. Years One and Two were used to conduct community meetings, engineering tests, and extensive planning. Year Three realized the actual construction and dedication of the initial 77 acres of the Center. A 24-inch water line was installed along Glenmary Drive into the park, and a 12-inch sewer line was extended along Glenvar Heights Boulevard into the lower perimeter of the park. The entrance road and connecting road cul-de-sac were graded, and paved with 1,500 linear feet of pavement enhanced by curb and guttering. A building pad was graded, a temporary front entrance sign was erected and landscaped, and a grand opening ceremony was completed. A designated road right-of-way to extend Dow Hollow Road into CRT as the main entrance to the park was approved by the Board of Supervisors.</p> <p>Further, a natural gas line extension was completed, and three phase power was extended into the Center based upon the location of Novozymes Biologicals. A storm water drainage engineering plan was initiated, and water and sewer lines were extended to the Novozymes site. The Paving of Corporate Circle was also completed based upon the location of Novozymes.</p> <p>During the past year (Year 5), the reconstruction and paving of Glenmary Drive from Dow Hollow Road to the main entrance of CRT was completed. Construction of the Glenmary Drive Visual Enhancement Landscaping Project is nearing completion, and street lights and permanent signage along the main entrance road and Corporate Circle will be completed by year end.</p> <p>Since the primary construction management function has been moved from Economic Development to the Department of Community Development, Economic Development's primary focus has become marketing with a portion of the capital budget designated for business recruitment and development related activities. It should be noted that Economic Development participates in the construction management function and plays a vital role in oversight, planning and implementation of the Center's development.</p> <p>Future construction and improvement plans include:</p> <ul style="list-style-type: none"><li>-Rights of way acquisition for the Dow Hollow Road extension</li><li>-Preliminary design for the Dow Hollow Road extension</li><li>-Design and construction of regional storm water management facilities</li><li>-Grading of individual sites within Phase I of the Project (along Corporate Circle)</li><li>-Ongoing maintenance of roadway and grounds including snow removal, mowing and care of vegetation</li><li>-Additional landscaping enhancements along entrances and roadways</li><li>-Utility extensions and additional street light installations as Glenmary Drive and Corporate Circle are extended</li><li>-Preliminary design and construction of roadway extensions into future phases of CRT</li></ul> <p>Marketing plans include:</p> <ul style="list-style-type: none"><li>-Concentrated staff participation in regional organizations and programs such as the New Century Technology Council, the Roanoke Valley Alleghany Regional Commission and the New Century Venture Center</li><li>-Building more strategic relationships with developmental partners such as the RVEDP and VEDP.</li><li>-Staff participation in marketing missions/trade shows for specific targeted industries</li><li>-Emphasis on the existing business and retention program for expansion into CRT</li><li>-Enhancement of proposals and presentations to clients with new tools such as the electronic business card (CD)</li></ul> |

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|                                     | <ul style="list-style-type: none"><li>-Strengthening the relationship with Virginia Tech and the Virginia Tech Corporate Research Center</li><li>-Ongoing improvements to the Economic Development web site and marketing materials for use with prospective businesses</li><li>-Marketing and utilization of the CRT Technology Zone, offering attractive incentives to qualifying companies</li></ul> |
| <b>Fire &amp; Rescue</b>            |   |
| Upgrade/Replace Paging Capabilities | Upgrade the current low band paging system to a more reliable system to notify volunteer fire and rescue members of the need to respond to an emergency.  |
| EMS Data Reporting System           | The project would provide for a data reporting system that would enable the electronic transfer of EMS reports for statistical analysis, to meet state reporting mandates, and to improve the billing process for ambulance transports. This includes the purchase of software, hardware, training, and installation costs.   |
| Station Security System             | Due to the heightened level of security, it is imperative to enhance the security systems at each fire and rescue station. We will need to have a better locking mechanism, as well as new keys for the buildings.  |
| Station Fuel Control System         | This project would provide for the installation of an automated fuel technology at all fire and rescue stations.  |
| Bay Heater Upgrades                 | This project would provide for the heating of the bay areas in the Catawba, Hollins, and Fort Lewis stations.   |
| Vinton Rescue - New Building        | This project would provide for the construction of a new building that would house rescue apparatus and personnel.  |

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| Back Creek Station Addition | This project would provide an addition of apparatus bays to the Back Creek station.   |
| Hanging Rock New Station    | Provide a new fire and rescue public safety building, including land purchase, in the area of I-81 and Route 419. This would be a three-bay station initially to house a pumper and an ambulance. Also included would be adequate living areas such as offices, male/female sleeping/restroom/shower areas, storage areas, and meeting rooms.   |
| Hollins Road New Station    | This project would provide for the construction of a new fire and rescue public safety building, including land purchase, in the area of Hollins Road near Plantation Road. This facility would house apparatus and enable the department to provide adequate fire and rescue coverage to the area citizens. Initial costs are for architectural/engineering work and land acquisition. |
| Bunk Room Additions         | The addition and upgrade of sleeping facilities at the rural station of Bent Mountain would enable the station to meet and conform to existing fire codes as well as provide separate male/female sleeping environments.  |

### General Services

|                             |  |
|-----------------------------|--|
| Garage at Kessler Mill Road | The County Garage is currently located in Salem, across from the School Bus Garage. It has four bays, two offices and a customer waiting area. The size is inadequate for servicing the County fleet, particularly large trucks. A new facility can be built at Kessler Mill Road, which is where most County vehicles are located.  |
| Recycling Trailers          | Recycling trailers, which are divided into covered bin storage, can be pulled by a small dump truck and left at a facility to provide recycling service for the neighborhood. The bins are then retrieved by the truck and emptied at a recycling facility. General Services proposed to purchase two bins in FY2004-05 and two bins in FY2005-06 to provide coverage in each of the four quadrants of the County. The School System and the County Libraries have both indicated interest in hosting the trailer. |

### Information Technology

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| HP Migration                   | This project will move the County's eighteen critical business applications off of the, soon to be obsolete, HP/3000 computer system. These critical business systems support the daily operations and functions of vital citizen services such as RE Valuation, Personal Property, RE Billing Collection, Building Permits, Utility Billing, etc. Without these business systems, Roanoke County could not support daily business functions or provide citizens and businesses with the information they want and need.  |
| Network Infrastructure Upgrade | The County's network infrastructure is our electronic version of I-81. It is the way PCs talk to applications within the everyday business operations of the county and it allows our citizens to access information. Network infrastructure is vital to supporting business operations and the implementation of new technologies in response to the County's changing business needs. This project is the foundation that allows the County to provide citizens and staff with reliable access to critical business systems and information. It also brings in-field reporting on-line for such functions as Inspections, Solid Waste, RE Valuation, etc. An example of in-field reporting is an inspector updating their reports and inspection information throughout the day via a mobile laptop. This manner of reporting provides homeowners and or business persons with information that is accurate and up-to-date in terms of hours versus days. In-field reporting will provide staff with information access and update capability from the field. |
| In-Building RF Coverage System | In-Building RF Coverage System for the Jail and Courthouse Complex  |
| High Volume Laser Printers     | The two printers scheduled for replacement are used for high volume print jobs in the County's Data Center. These printers are used for Real Estate Reassessment Notices, Personal Property Pricing Books, Utility Bills, Payroll Checks and Deposit Advices as well as other large reports, all of which affect critical business services for citizens and staff.   |
| <b>Library</b>                 |   |
| HQ Library Replacement         | This project would replace the existing Headquarters/419 Library with a 56,000 sq. ft. building constructed to meet both current and anticipated needs for size, lighting, design, handicapped accessibility, and telecommunication infrastructure. It would include expanded stacks, children's programming areas, young adult collections, a browsing area, additional Internet stations, a computer training lab, display space, auditorium and conference rooms, and a coffee shop. The design would also consolidate service desks, incorporate logical traffic patterns, redesign support work spaces, and add a security system to protect valuable materials and allow the introduction of self-checkout modules. Externally, the building would have safe parking lot entrances and exits, improved traffic flow and longer turning lanes, and an additional 96 parking spaces.  |

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| Glenvar Library Expansion        | This project would add 6,200 sq ft to the Glenvar Branch Library for increased public space and readers' seating, twice the number of book stacks, an improved children's area with appropriately-scaled shelving, a more functional meeting room, and high speed access to electronic resources, including Internet work stations and a computer instructional lab. The existing library would be renovated with new fittings and fixtures. Space would be allotted to system support functions, including archival storage. The parking lot would be expanded and redesigned to better accommodate through traffic from the nursing home located behind the building.  |
| Mt. Pleasant Library Replacement | This project would relocate the one-room, 529 sq ft Mt. Pleasant Branch Library to a separate structure outside the elementary school. The new 3,500 sq ft library would include stack space to accommodate general reading, adult nonfiction, and juvenile collections. It would have approximately 12 to 15 work/study seats, appropriate furnishings for children, new shelving, an area for six pc/Internet stations, and a programming/meeting area for small groups. It would include handicapped accessible parking and entries.  |
| Vinton Library Renovation        | This project would refurbish the interior of the Vinton library. New chairs and tables would replace furnishings and provide comfortable seating for casual reading or studying. It would make shelving areas fully-accessible and upgrade lighting fixtures to meet current standards. The entire adult section would be reconfigured to improve traffic patterns and allow space for the computer lab. The layout for telecommunication lines and electrical outlets would be upgraded. Twenty-three public workstations would be replaced. The project would also include a reoriented circulation desk and central corridor work area for more efficient workflow, improved line-of-sight, appropriate media shelving, and added storage. Public restrooms would be redesigned to allow handicapped accessibility. When finished, this would be the first complete renovation of the interior since the building's construction. The parking lot would be expanded by 16 spaces. |
| Bent Mountain Library Expansion  | This project would add 550 sq. ft. to the Bent Mountain Library to provide additional readers' seating, more open space for the children's collection and programs, and sufficient wall surface for shelving.  |
| <b>Parks &amp; Recreation</b>    |  |
| Tennis Court Resurfacing         | This project provides a geotextile cover with a 1" pavement overlay on the existing court surfaces. Clearbrook has one tennis court and one basketball court to be paved and stripes will be painted on the pavement for each activity. Oak Grove Park tennis court will require a pavement overlay and color coating. The 10 tennis courts at Walrond Park host several classes, games, and tournaments thus warranting the paved surface areas to be color coated. Current funding will pave 3 of these courts and color coat another 2 courts. The remaining 5 courts at Walrond Park will require paving and color coating.  |

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| Brambleton Center              | This project continues the renovation of the former RCAC facility on Brambleton Avenue into a Community Recreation Center with a focus on programming for senior adults, citizens with disabilities, teens, and youth. Phases III and IV development will provide HVAC improvements, landscaping, new shelter and playground, restroom improvements, plumbing, sewer and drainage upgrades, encapsulate asbestos in loading dock area and boiler room, replace the remaining 2 boilers, and replace the carpet and tile in administration area and the in middle hallway.                         |
| Burton Complex                 | This facility is located adjacent to the Arnold R. Burton Vocational School and serves as the site for adult softball league and tournament play. It contains three regulation softball fields that supplement the state and regional tournaments held at the Moyer Athletic Complex, and often is the only site for USSSA and NSA Softball Tournaments. This facility needs landscaping, general security lighting, athletic field lighting improvements, major fence replacement, and a playground. Fencing, concrete aprons, and enclosed dugouts estimated in 2004-2005.                      |
| Improvements for Parking Areas | This project will renovate and repair the existing parking lots and access roads at 14 sites. The project consists of installation of base material and asphalt overlay. Sites include Green Hill, Burton Athletic Complex, Mt. Pleasant, Stonebridge, Goode, Walrond, Hidden Valley, Merriman, Brookside, Whispering Pines, Vinyard Park I, Clearbrook, RCCC, Lower Green Valley, and Starkey Park I upper lot and Starkey Park II.  |
| Green Valley Road              | This facility hosts multiple baseball and football game and practice fields. Users include recreation leagues, school programs, handicap leagues, non-sanctioned use and open play. This project will provide an assessment and the necessary permanent repairs to the lower ballfield access road. This road is continuously eroded from storm water run-off and the improvements will include adequate drainage, reestablishment of the road base and paving.   |
| Camp Roanoke                   | This project completes the renovation of Camp Roanoke as a residential camp and retreat center. Renovations have included the upgrading of the dining hall, restrooms, and grounds. Current donations will provide for the renovation of the 8 residential cabins, the lodge, ropes course, log cabin shell, three bathroom/shower facilities, a water system, trail upgrades, and a parking lot. The remaining items to complete the renovation will be the construction of a new pool and a lake marina with a 10 slip dock to access the Spring Hollow Reservoir for canoe and kayak programs. |
| Clearbrook Park Water          | This project will restore water and sewer service that was terminated with the recent expansion of the Clearbrook Elementary School. The project will extend water and sewer lines to the county service mains located on US 220.   |



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| Starkey Park                | Phase one of the new Starkey Park extension is complete and included two baseball fields and one soccer field. Major fund raising efforts by the league and support from the Roanoke County Board has also lit these two fields. FY 2002, CIIF funding has approved lighting a second field at the Merriman Soccer Complex. Additional funds are necessary to construct a playground, picnic shelter, and a maintenance shop in the new Starkey Park section and light the third soccer field at Merriman. The original Starkey Park area consists of four baseball fields with one field requiring lighting. The existing split rail requires our barrier system replacement, and a new shelter and landscaping will complete the section of the park. A walking access bridge was erected in 2002 to connect the original and new sections of Starkey Park. A greenway and one additional walking bridge to be installed between the Merriman Soccer Fields and the new Starkey Park section would connect these park areas into a regional facility. |
| Walrond Park Phase III      | This project will develop Walrond Park by adding a basketball court, expanded parking, improved restrooms and storage, grading/drainage, and trail system, additional picnic shelter, security lighting, light two soccer fields, landscaping and amenities. Upgraded lighting for Walrond football/baseball combo field, baseball #2. In addition, the Walrond cabin is now serving as a senior citizen center and a deck needs to be added as well as overall repairs to the log cabin.   |
| Craig Ave Recreation Center | This project will install new storm windows, replace the exterior doors with energy efficient doors, and build a walking trail at the Craig Avenue Recreation Center. It will also include vinyl siding for the soffit, parking lot expansion and paving, roof replacement, playground replacement, and walking trail. The playground replacement request has been submitted under Playground Installations. Current approved funding will provide new exterior painting and soffit replacement on the exterior of the building and the design and replacement of the existing roof system.   |
| Catawba Community Center    | This project will complete the new HVAC system for the Catawba Community Center. Phase I funded the design of the new heating system, which is replacing the oil fired heater, boiler, and water radiators throughout the building. Phase II will add air conditioning to the new system for \$20,000.  |
| Green Hill Park Phase III   | This project will continue development of Green Hill Park by providing an amphitheater and restroom building, additional large picnic shelter, security lights and electricity for special events, parking, accessible playground, fencing, landscaping, two lighted soccer fields, football field, relocating softball field #5, walking trails, additional barrier system, and a maintenance yard and outbuildings. An update of the Green Hill Park master plan is required to ensure optimum use of the available space.  |
| Whispering Pines            | This project will add bathrooms to an existing restroom/concession shell building from a recent matching grant program and install a septic field. A new public water system is currently being finalized, and the septic field and bathroom fixtures will provide working restrooms for a very active park. FY 04/05 will complete the restrooms, update the playground, add an additional picnic shelter, expand the parking, improve landscaping, and build a new perimeter loop trail. FY 05/06 will provide design, engineering and construction of a new soccer field and parking lot as identified by the Master Plan. Estimated construction costs are \$130,000.   |

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| Playgrounds                  | This project will construct appropriate sized playgrounds at Brookside, Stonebridge, Sadler, Mount Pleasant, Craig Center Parks.  |
| Garst Mill Park Improvements | Stream bank stabilization phase II, perimeter loop trail, upgrade restroom and existing shelter, additional play apparatus, replace a walk bridge, and improve landscaping. The parking lot expansion project was funded and completed.   |
| Picnic Shelters              | This project will construct and install medium size accessible picnic shelters at Mt, Pleasant, Brookside, Stonebridge, and Sadler Parks.   |
| Hollins Park                 | The entrance, the two soccer fields, and the parking lot are complete. The North Roanoke Recreation League is engaged in fundraisers to light one soccer field, this project will light the second soccer field, pave the parking lot and entrance road, construct a picnic shelter, add playground improvements and landscaping enhancements.  |
| Vinyard Park Phase III       | This project requests funding for expanding the playground, traffic barriers, fencing improvements, ballfield lighting baseball #3, picnic shelters, and basketball courts to complete the master plan. Funding from the new Roanoke Catholic partnership has provided expanded parking and field lighting for large baseball/football combination field. Construction has started on the new park restroom/concession building. Also included are parking improvements, a greenway bridge and trails, handicap trout fishing area, and other park amenities and the passive development of the Vinyard II tract. |
| Family Water Park            | An outdoor, free form designated pool with water slides, a zero depth beach entrance, and water play features, with a separate child's aquatic playground. Included is a bathhouse/concession stand. This project would require 10-15 acres near a major highway and close to a large population base. Land costs are not included in this project.   |
| Parks & Recreation Land Bank | The Parks and Recreation Department needs to acquire parkland for reported deficits in Roanoke County. Emphasis placed on land in areas of Southwest and North County. Current outdoor recreation needs are at or near capacity in the Southwest area, while reports show program needs are growing.  |

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| Spring Hollow Park           | The Spring Hollow Reservoir site and Camp Roanoke are on Dry Hollow Road adjacent to the reservoir. This project consists of developing the 700-acre site around the reservoir as a public park for fishing, hiking, picnicking, and other appropriate outdoor recreation interests. Development of the reservoir depends upon Health, Water and Utility Department requirements, etc. The Master Plan has been developed and includes the cost projections referenced above.  |
| <b>Police</b>                |  |
| Evidence Vault Addition      | This project will provide for the building of an addition to the Department's Evidence Technician building and garage. The addition will provide a new evidence vault. The addition will be attached to the Evidence Technician garage at the north end of the existing building. The building addition will include all walls, doors, roofing, etc. necessary to complete the structure. The total area of the addition will be 546 square feet. This project will provide the space necessary to meet the Department's legal obligations.  |
| Bomb Disposal Unit           | <p>The creation of a bomb squad will both enhance and expand the Department's ability to provide services and increased safety to the citizens of Roanoke County. The establishment of the bomb squad requires the purchase of equipment necessary for officer protection, bomb detection equipment, bomb disposal equipment, and an explosives storage facility.</p> <p>Officer protection involves bomb suits, shields, helmets and other associated equipment. Bomb detection equipment includes a portable x-ray machine and a bomb robot. Bomb disposal is accomplished through a containment trailer. The Federal Department of Alcohol, Tobacco, and Firearms regulates the storage of explosives required in the disposal of bombs and suspected suspicious objects.</p>   |
| South County Police Precinct | This project will provide for the building of a new Police Precinct building in South Roanoke County. The new building will meet the increasing demands on the Police Department to provide close, available police services to the citizens of south Roanoke County. Presently, all police operations are centered at the Public Safety Building on Peters Creek Road. The new building would provide space for patrol officers, criminal investigations personnel, and supervisors. The new building will be connected to all of the County's Information Technology systems, allowing police to conduct business from the new building without having to use Peters Creek Road as their origination point. A new facility built to accommodate a south Roanoke County Police precinct has a projected size of 2000 square feet. |

### Public Safety

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| Public Safety Center         | The Proposed project is the development of a new 911 Emergency Communications Center including an Emergency Operations Center and space for the Information Technology Department. Options to be considered also include all administrative space for the Police and Fire and Rescue Departments, as well as replacement or relocation of the main equipment for the emergency radio system.   |
| 800 MHz Radio System Upgrade | <p>The costs for FY 2007-2008 are for Roanoke County's share (50%) of the total cost of the project totalling \$22,660,345.</p> <p>The funds requested for 2005-06 are for an upgrade of the existing Radio System consoles in the Dispatch Center from Centracom Gold to Centracom Gold Elite.</p> <p>The funds requested for 2007-2008 are for a complete upgrade from an analog radio system to a digital system. It includes funds to replace the radio system infrastructure and subscriber field units. Upgrades completed in 2005-06 would continue to be utilized as part of this larger upgrade.</p> <p>Use of these funds is contingent upon approval and proportional funding by the City of Roanoke.</p> |
| <b>Real Estate Valuation</b> |  |
| Field Data Collection System | As the appraisers review parcels in the field, they must take handwritten notes and return to the office to enter them in our CAMA system. This is a duplication of effort that could be eliminated if the necessary technology needs were met to allow data entry of parcel information to be performed in the field.   |
| <b>Sheriff</b>               |  |
| Jail Renovations             | This project will renovate the existing 6th floor of the Roanoke County/Salem jail, located at 401 East Main St. in Salem, VA. It would create a dormitory style area, which would contain 26 beds, with program space. There will also be a seventh floor added to the existing structure, which will add a 54 four bed form for direct supervision of minimum security inmates. The latest plans for a seventh floor would be to have the elevator come to the sixth floor, as is currently operated, and have a flight of steps up to the seventh floor, as in most pods in the facility.   |
| <b>Treasurer</b>             |  |

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| Upgrade Remittance Processing Machine        | NPD 300 Remittance Processing Machine  |
| <b>Utilities - Sewer</b>                     |  |
| Sanitary Sewer Repair & Replacement Projects | Repair/Replace/Upgrade approximately 8,600 feet of sanitary sewer lines per year and the associated manholes as needed.  |
| <b>Utilities - Water</b>                     |  |
| VDOT Projects                                | Replace or upgrade water lines as required for highway improvements.   |
| North Water Transmission Line                | Extension of the North Transmission main from Dow Hollow Rd. to Westward Lakes Dr. and along Loch Haven Rd. with interconnections to North Lakes and Belle Haven |
| Summerdean Waterline Replacement             | Replace 5020 ft of water line in Clearwater Ave., Austin Ave., Stonington Rd., Goodland Ave., and Trevilian Rd.  |